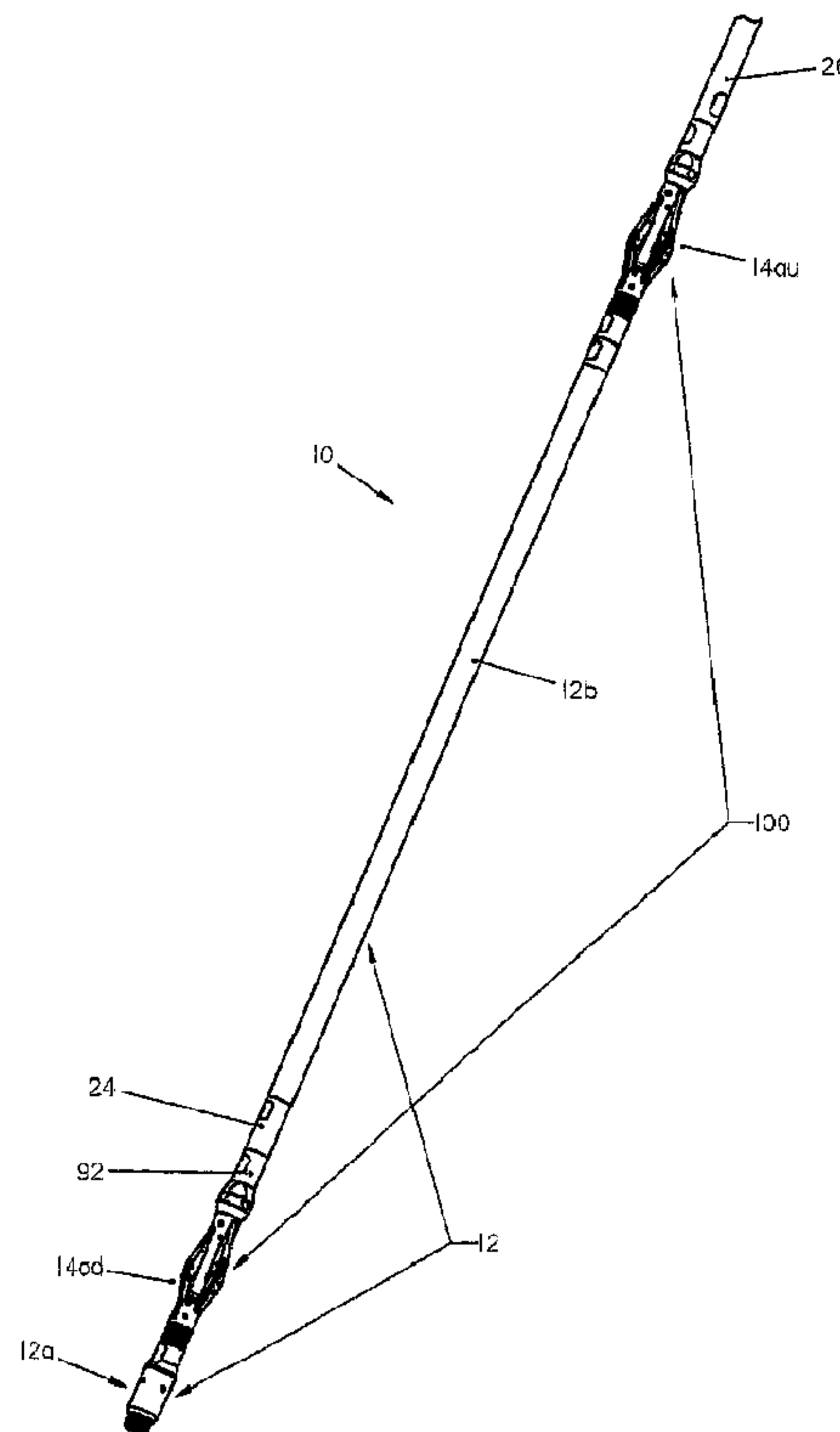




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(54) **Titre : APPAREIL D'ORIENTATION DE CAROTTE ET DE CENTRAGE**  
 (54) **Title: CENTRALISING CORE ORIENTATION APPARATUS**



(57) **Abrégé/Abstract:**

A centralising core orientation apparatus (10) comprises a core orientation system (12) with a centralising system (14). The centralising system (14) comprises two centralising tools (14ad) and (14au) one on either side of the core orientation system (12). Each tool (14a) is capable of axial self centralisation within a conduit to thereby centralise the core orientation system (12). Each centralising tool (14a) is provided with links (34) that are biased to expand radially outwards to contact an inside surface of a conduit. A locking system (30) in each tool (14a) operates to selectively lock the links (34) in a retracted position and releases the links to be biased by a spring (56) to the expanded position.